



PRODUCT INFORMATION

Conductive Grade

KOCETAL[®] CF304

Kocetal CF304 is carbon fiber reinforced grade for high stiffness and electrical conductivity.

Property	Test Method	Units	Value
Physical			
Melt Index	ASTM D1238	g/10min	3~5
Specific Gravity	ASTM D792	-	1.46
Water Absorption 23 , Equilibrium 60%RH	ASTM D570	%	0.3
Thermal			
Melting Point	ASTM D1525		166
Heat Deflection Temperature	ASTM D648		
HDT/A 4.6kg/cm ² (0.45MPa)			165
HDT/A 18.6kg/cm ² (1.81MPa)			162
Vicat Softening Temperature	ASTM D1525		162
Coeff. Of Linear Thermal Expansion	ASTM D696	x 10 ⁻⁵ cm/cm·	2~4
Flammability	UL 94		HB
Mechanical			
Tensile Strength 23	ASTM D638	kg/cm ² (MPa)	1200 (118)
Tensile Elongation 23	ASTM D638	%	5
Flexural Strength 23	ASTM D790	kg/cm ² (MPa)	1800 (1764)
Flexural Modulus 23	ASTM D790	kg/cm ² (MPa)	140000 (13720)
Notched Izod Impact Strength 23	ASTM D256	kg·cm/cm (J/m)	4 (39)
Rockwell Hardness M scale	ASTM D785	-	95
Electrical			
Surface Resistivity	ASTM D257		1 × 10 ³
Volume Resistivity	ASTM D257	·m	1 × 10 ²
Dielectric Strength	ASTM D149	kV/mm	-
Dielectric Constant	ASTM D150	-	-
Dielectric Dissiparation FactorConstan 10 ⁶ Hz	ASTM D150	-	-
Arc Resistance 10 ⁶ Hz	ASTM D495	sec	-

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